

Title (en)
PROCESS FOR THE THE MANUFACTURE OF O-NITROBENZALDEHYDE

Publication
EP 0205173 A3 19881012 (EN)

Application
EP 86108007 A 19860612

Priority
IT 2113685 A 19850613

Abstract (en)
[origin: EP0205173A2] A process for the manufacture of o-nitrobenzaldehyde by oxidation of o-nitrotoluene, characterized in that o-nitrotoluene is made to react with an aqueous solution containing Cerium^{iv} perchlorate and from 5 to 9 moles/litre of perchloric acid; according to a preferred embodiment, the dispersion of o-nitrotoluene in an aqueous solution containing from 5 to 9 mols per litre of perchloric acid is first prepared and then an aqueous solution is gradually added, containing Cerium^{iv} perchlorate and 5-9 moles/litre of perchloric acid.

IPC 1-7
C07C 79/36; **C07C 76/02**

IPC 8 full level
C07C 67/00 (2006.01); **C25B 3/23** (2021.01); **C07C 201/00** (2006.01); **C07C 201/12** (2006.01); **C07C 205/44** (2006.01)

IPC 8 main group level
C07C (2006.01)

CPC (source: EP US)
C07C 201/12 (2013.01 - EP US)

C-Set (source: EP US)
C07C 201/12 + **C07C 205/44**

Citation (search report)
• [Y] TETRAHEDRON LETTERS, no. 37, 1966, pages 4493-4498, Pergamon Press Ltd, GB; L. SYPER: "Partial oxidation of aliphatic side chains with cerium (IV)"
• [Y] INDIAN JOURNAL OF CHEMISTRY, vol. 8, November 1970, pages 977-980; P.S. RADHAKRISHNAMURTI et al.: "Oxidation of substituted toluenes by Ce(IV)"

Cited by
GB2319529A; GB2319529B; US6022837A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0205173 A2 19861217; **EP 0205173 A3 19881012**; **EP 0205173 B1 19910306**; CA 1294982 C 19920128; DE 3677823 D1 19910411; IT 1203587 B 19890215; IT 8521136 A0 19850613; JP S61288087 A 19861218; US 4689433 A 19870825

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EP 86108007 A 19860612; CA 511579 A 19860613; DE 3677823 T 19860612; IT 2113685 A 19850613; JP 13506486 A 19860612; US 87248486 A 19860610